

DRILL HOLES

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Border Rev. Date: March 200607

BY: \$USER\$

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 650 (NEW HAMPSHIRE) SB AND DILSTON RD.

LANES MONITORED - 1 DEDICATED RIGHT, 2 THRU, AND 1 RIGHT/THRU

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

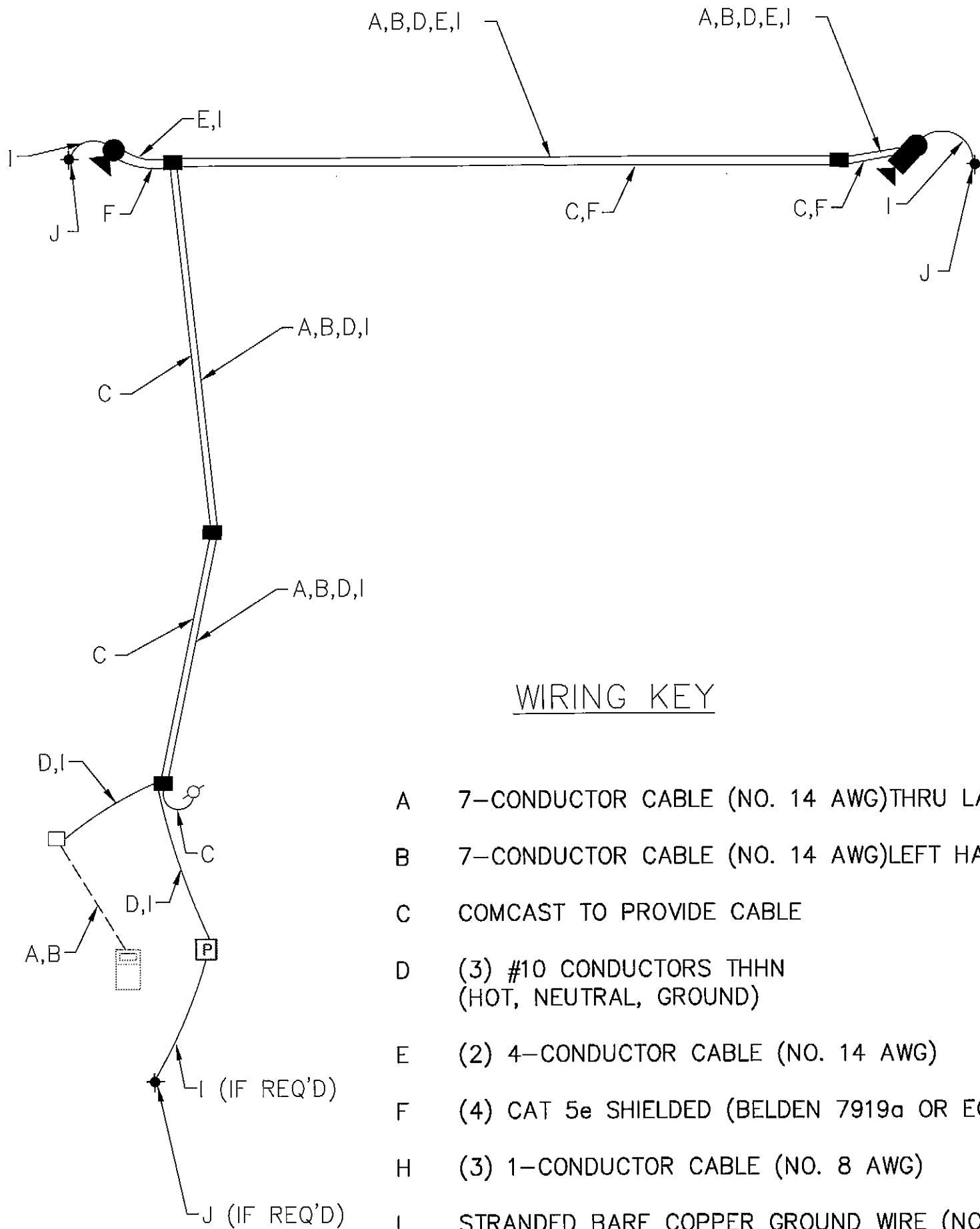
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA
NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
2	EA	SENSYS RECEIVER ASSEMBLY
1	EA	10' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
4	EA	#5 PULL BOXES
1	EA	20 AMP SERVICE PEDESTAL BREAKER
350	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
300	LF	4 IN PVC CONDUIT(SCHEDULE 80) - BORED
700	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
3	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
350	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
680	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
340	LF	115 V POWER 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
350	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
2.75	CY	CONCRETE FOR PEDESTAL POLE FOUNDATIONS (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH

NOTE: GROUNDING ROD AND STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG) MAY BE OMITTED AT EXISTING POWER PEDESTAL IF CONTRACTOR CAN VERIFY THAT EXISTING POWER PEDESTAL IS GROUNDED PER SHA STANDARDS.



WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG)THRU LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- I STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- J PROPOSED GROUNDING ROD 3/4 IN. X 10 FT. LENGTH
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL



Wayne C. [Signature]

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
 - * MONTGOMERY COUNTY ENGINEER - KAMAL HAMUD 240-777-8761
 - * MONTGOMERY COUNTY TECHNICIAN SUPERVISOR ROBERT RICKETS 240-876-3681
6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.
 - * SHA INSPECTION TEAM LEADER - ADRIAN PUGH 410-787-7645

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
GI WIRING KEY
MD 650 (NEW HAMPSHIRE) SB AND DILSTON RD.

APPROVALS	REVISIONS	SCALE	ADVERTISED DATE	CONTRACT NO.
TEAM LEADER	RED LIGHT CAMERA INSTALLATION 06-07-12 TMS # L441			
ASST. DIV. CHIEF	JSC RECONSTRUCT SIGNAL DUE TO GEOMETRICS IMPROVEMENTS 9-27-07 TMS NO. H413 SHA NO. TMZ MD-3915187	DESIGNED BY	COUNTY	MONTGOMERY
DIVISION CHIEF		DRAWN BY	LOGMILE	
OFFICE DIRECTOR		CHECKED BY	TMS NO.	
		F.A.P. NO.	TOD NO.	
		DRAWING NO. TS 198	OF	SHEET NO. 2 OF 2

PLOTTED: \$DATE\$
FILE: \$FILE\$